

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"US 20070108944"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/04/11 18:01
S3	4393977	motor power adj tool battery charger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/13 19:47
S4	624	motor power adj tool battery charger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/13 19:47
S5	0	"320"/\$ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/13 19:47
S6	17861	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/13 19:47
S7	0	S4 S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/13 19:48
S12	2	("6087815").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/21 18:32
S13	21	("1530342"   "3274476"   "3308419"   "3828201"   "3919615"   "4300087"   "4389704"   "4524412"   "4578772"   "4675538"   "4748344"   "5019767"   "5021727"   "5211321"   "5450003"   "5587916"   "5656876"   "5808884").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/21 20:11
S14	13	("6087815").URPN.	USPAT	OR	ON	2009/04/21 20:14

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S15	57	( "20010035736"   "20010053313"   "20020085403"   "20030058638"   "20030066666"   "20030090162"   "20030102346"   "20030121682"   "20030160075"   "20030213829"   "20040050887"   "20040089689"   "20040121224"   "20040140336"   "20040206522"   "20040226174"   "20050058893"   "20050078303"   "20050082920"   "20050111214"   "20050115724"   "20050133552"   "20050152131"   "20050153596"   "20050161305"   "20050200087"   "20050218182"   "20050223902"   "3919615"   "4677362"   "4779687"   "4827534"   "4966321"   "5095259"   "5211321"   "5562240"   "5810232"   "5929597"   "6016944"   "6065658"   "6087815"   "6106971"   "6155471"   "6188228"   "6211662"   "6301997"   "6490186"   "6501197"   "6502949"   "6641107"   "6688407"   "6720949"   "6729743"   "6851487"   "6926473"   "6939641"   "7015675").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/21 20:23
S16	18	(( "5,217,395" ) or ( "5,993,240" ) or ( "6,501,197" ) or ( "6,536,536" ) or ( "6,616,300" ) or ( "4,876,490" ) or ( "6,260,978" ) or ( "6,106,971" ) or ( "200510153596" )).PN. or (2001/0035736).OCLS.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/21 20:38
S17	631	motor power adj tool battery charger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/21 20:44
S18	17911	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/21 20:44
S19	235	S17 S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/21 20:44
S20	631	motor power adj tool battery charger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/22 16:31

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S21	17911		"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/22 16:31
S22	235		S20 S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/22 16:31
S23	95		S22 lithium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/22 16:31
S24	13		("6229280").URPN.	USPAT	OR	ON	2009/04/25 13:41
S25	1	charger battery terminal voltage measur\$5 detect\$4 near live adj connect\$3		US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/25 15:44
S26	1	charger battery terminal voltage measur\$5 detect\$4 near live near connect\$3		US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/25 15:44
S27	0	charger battery terminal voltage measur\$5 detect\$4 near hot adj (plug or connect\$4)		US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/25 15:46
S28	0	charger battery terminal voltage measur\$5 detect\$4 near onnect\$4		US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/25 15:46
S29	505	charger battery terminal voltage measur\$5 detect\$4 near connect\$4		US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/25 15:46

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S30	41	charger battery terminal voltage measur\$5 detect\$4 near connect\$4 lithium\$ion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/25 15:48
S31	4	(("5929597") or ("6268710")).PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/25 15:56
S32	0	(battery or cell) near deteriorat\$3 with (loss near capacity and increase near spontaneous near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 18:25
S33	0	(battery or cell) near deteriorat\$3 same (loss near capacity and increase near spontaneous near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 18:26
S34	0	(battery or cell) near deteriorat\$3 same (loss near capacity and increase with spontaneous near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 18:26
S35	1	(battery or cell) near deteriorat\$3 and (loss near capacity and increase with spontaneous near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 18:26
S36	7	(battery or cell) near deteriorat\$3 and (loss near capacity and increase with (spontaneous or self) near discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 18:54
S37	5	(battery or cell) with (deteriorat\$3 and (loss near capacity and increase with (spontaneous or self) near discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 19:24
S38	0	("2005/0069484").URPN.	USPAT	OR	ON	2009/11/20 19:27
S39	5	("4551400"   "4605603"   "4621034"   "4623597"   "4637967").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/20 19:27

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S40	9	(battery or cell) same (deteriorat\$3 and (loss near capacity and increase with (spontaneous or self) near discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 19:29
S41	29	(battery or cell) same (deteriorat\$3 and (loss near capacity and increase same (spontaneous or self) near discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 19:31
S42	29	(battery or cell) same (deteriorat\$3 and (loss near capacity and increase same (spontaneous or self) with discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 19:38
S43	33	(battery or cell) same (deteriorat\$3 and (loss with capacity and increase same (spontaneous or self) with discharge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 19:39
S44	4	S43 not S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 19:39
S52	0	tool with (battery adj pack with (lithium\$ion or lithium adj polymer) and charger) with (over adj (discharg\$3 and charg\$3) near protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 11:09
S53	0	tool same (battery adj pack with (lithium\$ion or lithium adj polymer) and charger) same (over adj (discharg\$3 and charg\$3) near protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 11:09
S54	10	tool same (battery adj pack with (lithium\$ion or lithium adj polymer) and charger) and (over adj (discharg\$3 and charg\$3) near protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 11:10
S55	10	("20010011881"   "20020175656"   "20030011345"   "20030044689"   "20030122527"   "5250891"   "5617017"   "5680027"   "5886502"   "6051955").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/21 11:15

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S56	4	("5438250"   "5952815"   "6208117"   "6268710").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/21 11:18
S57	2	("5,680,027").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/21 21:00
S58	0	("analogadjdigitaladjconverternearmultiplexerwithamplif\$3samebatterynearmonitor\$3withvoltage").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/21 21:09
S59	0	analog adj digital adj converter near multiplexer with amplif\$3 same battery near monitor\$3 with voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 21:11
S60	0	analog near digital near converter with multiplexer with amplif\$5 same battery near monitor\$3 with voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 21:12
S61	2	analog near digital near converter same multiplexer with amplif\$5 same battery near monitor\$3 with voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 21:12
S62	52	motor power adj tool battery charger internet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 22:38
S63	22	motor power adj tool battery charger cell adj balanc\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 23:01
S64	140	battery adj pack charger cell adj balanc\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/21 23:02

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S65	627	"320"/112.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/22 00:18
S66	2	("7227335").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/22 00:27
S67	2	("20050001625"   "6218806").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/22 00:28
S68	28	("5929597").URPN.	USPAT	OR	ON	2009/11/22 00:32
S69	147	motor power adj tool battery charger packag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/22 00:37
S70	0	(2001/052758).CCLS.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/22 00:48
S71	4	("2001052758").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/22 00:49
S72	0	("2001052758").PN.	US-PGPUB	OR	OFF	2009/11/22 00:49
S73	1	("20010052758").PN.	US-PGPUB	OR	OFF	2009/11/22 00:49
S74	0	ep1217710	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/22 09:55
S75	6109464	ep "1217710"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/22 09:55
S76	8	(("2003096158") or ("2002079867")).PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/22 09:59

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S77	8	(("2003096158") or ("2002079867")).PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2009/11/22 09:59
S78	2	(("20030096158") or ("20020079867")).PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/22 10:01
S79	4	(("20030096158") or ("20020079867")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/22 10:03
S80	8	("20010052758"   "20040075417"   "20040080298"   "20050007068"   "5929597"   "6242893"   "6268710"   "6268713").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/22 13:28
S81	45	((ROGER) near2 (PELLENC)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/22 13:42

## EAST Search History (Interference)

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